

Shoreline Cleaning Agents (Surface Washing Agents)

Objective:	To increase the efficiency of oil removal from contaminated substrates.
Description:	Special formulations are applied to the substrate, as a presoak and/or flushing solution, to soften or lift weathered or heavy oils from the substrate to enhance flushing methods. The intent is to lower the water temperature and pressure required to mobilize the oil from the substrate during flushing. Some agents will disperse the oil as it is washed off the beach, others will not.
Applicable Habitat Types:	On any habitat where water flooding and flushing procedures are applicable.
When to Use:	When the oil has weathered to the point where it cannot be removed using ambient water temperatures and low pressures. This approach may be most applicable where flushing effectiveness decreases as the oil weathers.
Biological Constraints:	When the product does not disperse the oil into the water column, the released oil must be recovered from the water surface. Use may be restricted where suspended sediment concentrations are high, near wetlands, and near sensitive nearshore resources.
Environmental Effects:	The toxicity and effects on dispersability of treated oil vary widely among products. Selection of a product should consider its toxicity.
Waste Generation:	Because treated oil must be recovered, waste generation is a function of recovery method, which often includes sorbents.